



ELECTRONIC TUBE REFERENCE

F823

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

SPARKGAPPULSESWITCH

Triggered ceramic-metal spark gap for electronic crowbar and energy-transfer applications. Triggered ionization provides rapid high-current switching.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 SparkGapPulseSwitch	
MAXIMUM CATHODE CURRENT	100000 A
Triggered spark gap; electrical hold-off, trigger and discharge ratings retained as parameters.	

The ITT F823 is a triggered ceramic-metal spark gap for electronic crowbar and energy-transfer applications.

SOURCE OPERATING CONDITIONS

1962 ITT

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1962 ITT

Section 1 · SparkGapPulseSwitch

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating range	2–5 kV	—
Static breakdown potential	7.5 kV	—
Trigger potential	15 kV	—
Energy discharge	2500 J	—
Peak current	100000 A	—
Delay time	0.08 us	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater power required	No	—

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